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NOTICE OF ALLOWANCE AND FEE(S) DUE

26517

7590

10/07/2005

WOOD, HERRON & EVANS, L.L.P. (IBM) 2700 CAREW TOWER 441 VINE STREET CINCINNATI, OH 45202 EXAMINER SCHNEIDER, JOSHUA D

PAPER NUMBER

ART UNIT

DATE MAILED: 10/07/2005

			1	
APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/456,211	12/07/1999	TROY DAVID ARMSTRONG	IBM/112	6131

TITLE OF INVENTION: FAIR ELEVATOR SCHEDULING ALGORITHM FOR DIRECT ACCESS STORAGE DEVICE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$0	\$1400	01/09/2006

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL



Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571) 273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENC	E ADDRESS (Note: Ose Block 1 loi	any change or address)		Fee(s) Transmittal 1	of mailing can only be used to This certificate cannot be used to mal paper, such as an assignme	or any other accompanying
	590 10/07/2005			have its own certific	nal paper, such as an assignme ate of mailing or transmission.	 ,
WOOD, HERRON & EVANS, L.L.P. (IBM) 2700 CAREW TOWER 441 VINE STREET CINCINNATI, OH 45202				I hereby certify that States Postal Service addressed to the M transmitted to the US	ertificate of Mailing or Trans this Fee(s) Transmittal is being e with sufficient postage for fir ail Stop ISSUE FEE address SPTO (571) 273-2885, on the d	mission g deposited with the United st class mail in an envelope above, or being facsimile ate indicated below.
						(Depositor's name)
•						(Signature)
						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED IN	VENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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nonprovisional	NO	\$1400)	\$0	\$1400	01/09/2006
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SCHNEIDER	, JOSHUA D	2182	<u> </u>	710-006000	_	
l. Change of correspondence	e address or indication of "F	ee Address" (37	2. For printing	on the patent front page,	list	
CFR 1.363).	lance address (or Change of	Correspondence	(1) the names or agents OR,	of up to 3 registered par	tent attorneys 1	
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"Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Custom Number is required.			registered attorney or agent) and the names of up to			
3. ASSIGNEE NAME AND	RESIDENCE DATA TO E	E PRINTED ON T	HE PATENT (pr	int or type)		
PLEASE NOTE: Unless recordation as set forth in	an assignee is identified b 37 CFR 3.11. Completion	elow, no assignee of this form is NO	data will appear of Γ a substitute for f	on the patent. If an assi	gnee is identified below, the d	ocument has been filed for
(A) NAME OF ASSIGN	EE ·	(B) RESIDENCE: (CITY and STATE OR C	OUNTRY)	
Diagon ahaale tha ammamiata	assignee category or category	omina (vvill mat ha muu	inted on the notes	A). Dradinidas D	Corporation or other private gr	
4a. The following fee(s) are			. Payment of Fee	•	Corporation or other private gr	oup entity Government
Issue Fee	011010304.	10	•	e amount of the fee(s) is	enclosed.	
☐ Publication Fee (No small entity discount permitted)		ed)	Payment by credit card. Form PTO-2038 is attached.			
Advance Order - # of	Copies		The Director	is hereby authorized by	charge the required fee(s), or (enclose an extra c	credit any overpayment, to
5. Change in Entity Status	(from status indicated above	e)	Deposit recount	- Trumber	(cholose all extra e	opy of any form,
_ ` .	MALL ENTITY status. See	•	☐ b. Applicant	is no longer claiming SM	ALL ENTITY status. See 37 C	FR 1.27(g)(2).
The Director of the USPTO NOTE: The Issue Fee and P Interest as shown by the reco	is requested to apply the Iss ublication Fee (if required) ords of the United States Pat	ue Fee and Publicate will not be accepted ent and Trademark	tion Fee (if any) o I from anyone oth Office.	r to re-apply any previou er than the applicant; a re	usly paid issue fee to the applicate egistered attorney or agent; or the	ation identified above. he assignee or other party in
Authorized Signature				Date		
Typed or printed name			Registration No.			
This collection of informatic an application. Confidential submitting the completed a this form and/or suggestions Box 1450, Alexandria, Virg	on is required by 37 CFR 1.3 ity is governed by 35 U.S.C pplication form to the USP1 for reducing this burden, s inia 22313-1450. DO NOT	11. The information 122 and 37 CFR CO. Time will vary hould be sent to the SEND FEES OR CO.	on is required to ol 1.14. This collect depending upon to Chief Information COMPLETED FO	otain or retain a benefit b ion is estimated to take 1 the individual case. Any on Officer, U.S. Patent as RMS TO THIS ADDRE	y the public which is to file (an 2 minutes to complete, includin comments on the amount of ti and Trademark Office, U.S. Dep SS. SEND TO: Commissioner	d by the USPTO to process) ng gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,

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09/456,211	12/07/1999	TROY DAVID ARMSTRONG	IBM/112	6131
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WOOD, HERRON & EVANS, L.L.P. (IBM)			SCHNEIDER, JOSHUA D	
2700 CAREW T			ART UNIT	PAPER NUMBER
CINCINNATI, O	OH 45202	•	2182	

DATE MAILED: 10/07/2005

Determination of Patent Term Extension under 35 U.S.C. 154 (b)

(application filed after June 7, 1995 but prior to May 29, 2000)

The Patent Term Extension is 763 day(s). Any patent to issue from the above-identified application will include an indication of the 763 day extension on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571) 272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

•	Application No.	Applicant(s)				
	09/456,211	ARMSTRONG ET	AL			
Notice of Allowability	Examiner	Art Unit				
	Joshua D. Schneider	2182				
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) of NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIC of the Office or upon petition by the applicant. See 37 CFR 1.313	OR REMAINS) CLOSED in this apport of the communication GHTS. This application is subject to	olication. If not includ will be mailed in due	ed course. THIS			
1. 🔀 This communication is responsive to <u>Decision br Board of A</u>	Appeals entered 5/25/2005.					
2. The allowed claim(s) is/are <u>1-29</u> .						
 3. Acknowledgment is made of a claim for foreign priority under a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	been received. been received in Application No		ation from the			
	Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.					
4. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which gives			NOTICE OF			
 5. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftsperson (b) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.8 each sheet. Replacement sheet(s) should be labeled as such in the 	Amendment / Comment or in the drawing the drawing to 37 CFR 1.1216	Office action of ngs in the front (not the				
6. DEPOSIT OF and/or INFORMATION about the depos attached Examiner's comment regarding REQUIREMENT F	it of BIOLOGICAL MATERIAL r FOR THE DEPOSIT OF BIOLOGIC	nust be submitted. AL MATERIAL.	Note the			
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date	5. Notice of Informal P 6. Interview Summary Paper No./Mail Dat 7. Examiner's Amendr 8. Examiner's Stateme 9. Other	(PTO-413), te ment/Comment				
	//	KIM HUYNH	IER 9/27/			